

IN THE CLAIMS

Please amend the following claims.

Claims 1-5 (cancelled)

- C-1
6. (currently amended) A heat spreader, comprising:  
a plurality of fibers oriented approximately along a horizontal axis;  
a second plurality of fibers oriented approximately along the second horizontal axis, approximately perpendicular to the first set of fibers;  
a third plurality of fibers, some or all oriented approximately at an angle greater than 0 degrees and less than 90 degrees [in the vertical direction, approximately perpendicular] to the first and second sets of fibers; and  
a thermally conductive material disposed about the fibers.
7. (original) The heat spreader of claim 6, wherein the fibers are comprised of carbon.
8. (original) The heat spreader of claim 6, wherein the fibers are woven.
9. (original) The heat spreader of 6, wherein the third plurality of fibers are chopped.
10. (currently amended) A heat spreader, comprising:  
a first layer of fibers, oriented approximately along a horizontal axis;  
a second layer of fibers, oriented approximately along the same horizontal axis, the second layer having a different fiber density than the first layer;

a second plurality of fibers in the second layer, oriented approximately along a second horizontal axis, approximately perpendicular to the first set of fibers in the second layer;

a third plurality of fibers in the second layer, oriented approximately in the vertical direction, approximately perpendicular to the first and second sets of fibers in the second layer;

a third layer of fibers, having a fiber density different than the fiber density of the second layer; and

a thermally conductive material disposed about the fibers.

11. (original) The heat spreader of claim 10, wherein the first and third layers have a higher fiber density than the second layer.

12. (original) The heat spreader of claim 10, wherein the first and third layers have similar fiber densities.

13. (original) The heat spreader of claim 10, wherein the fibers are comprised of carbon.

14. (original) The heat spreader of claim 10, wherein the fibers are woven.

15. (original) The heat spreader of claim 11, wherein the fibers in the first and third layers are chopped.

Claims 16-30 (cancelled)

**Claim Rejections - 35 U.S.C. §102 and §103**

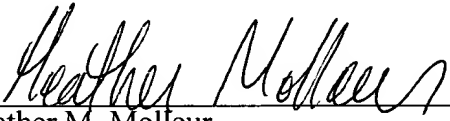
The Examiner has rejected Claims 6-10 and 12-14 under 35 USC 102(e) as being anticipated by Tobita (U.S. Patent No. 6,451,418) and claims 11 and 15 under 35 USC 103(a) as being unpatentable over Tobita ('418). The Applicant respectfully traverses. Tobita does not teach all of the elements of the Applicant's claims. Specifically, Tobita does not teach the element of independent claim 6 of *"a third plurality of fibers, some or all oriented approximately at an angle greater than 0 degrees and less than 90 degrees to the first and second sets of fibers."* In contrast Tobita teaches a three-dimensions woven fabric constituted by orienting polybenzasol fibers in the X direction, the Y direction and the Z direction, where the fibers in each direction are at 90 degree angles to one another. Also, Tobita does not teach the elements of independent claim 10 of *"a first layer of fibers, oriented approximately along a horizontal axis; a second layer of fibers, oriented approximately along the same horizontal axis, the second layer having a different fiber density than the first layer; ...; a third layer of fibers in the second layer, having a fiber density different than the fiber density of the second layer."* In contrast, Tobita teaches fibers of different densities within the same layer, and not in different layers. Claims 7-9 depend on claim 6 and therefore incorporate its limitations, and claims 11-15 depend on claim 10 and therefore incorporate its limitations. Thus, the Applicant respectfully submits that claims 6-15 are not anticipated or made obvious by Tobita and are in condition for allowance.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

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